

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/US2004/009972

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C08G75/02 C08L65/00 C08L81/00 C08J3/24 C08J9/26

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C08L C08G C08J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 359 091 B1 (GODSCHALX JAMES P ET AL) 19 March 2002 (2002-03-19) cited in the application column 1, line 65 - column 5, line 55 abstract; claims 1-7; examples 1-19	1-8
X	EP 0 203 438 A (ALLIED CORP) 3 December 1986 (1986-12-03) column 3, line 1 - column 7, line 37 abstract; claims 1-10; examples 1-12	1-8
X	US 6 172 128 B1 (LEUNG ROGER ET AL) 9 January 2001 (2001-01-09) cited in the application column 3, line 15 - column 6, line 23 abstract; claims 1-20; examples 1-5	1-8
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

\*A\* document defining the general state of the art which is not considered to be of particular relevance

\*E\* earlier document but published on or after the international filing date

\*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

\*O\* document referring to an oral disclosure, use, exhibition or other means

\*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*G\* document member of the same patent family

Date of the actual completion of the international search

20 July 2004

Date of mailing of the international search report

26/07/2004

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WO 00/31183 A (DOW CHEMICAL CO)  2 June 2000 (2000-06-02)  cited in the application  page 1, line 31 - page 8, line 10  abstract; claims 1-36; examples 1-12  -----</p>	1-8

## FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box II.2

Claims Nos.: -

Present claim 1 relates to a compound defined by reference to a desirable characteristic or property, namely the feature specified in the last three lines of the main claim 1 ("... that one A-functional group ... is capable of reaction ..") corresponds to the attempt of defining protected matter by means of the corresponding result to be achieved, rather than by clear technical features. The claims cover all compounds having this characteristic or property, whereas the application provides support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT for only a very limited number of such compounds. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Independent of the above reasoning, the claims also lack clarity (Article 6 PCT). An attempt is made to define the compound by reference to a result to be achieved. Again, this lack of clarity in the present case is such as to render a meaningful search over the whole of the claimed scope impossible. Consequently, the search has been carried out for those parts of the claims which appear to be clear, supported and disclosed, namely those parts relating to the compounds as defined in the present dependent claim 2 and corresponding passages of the description.

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:  
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2004/009972

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6359091	B1	19-03-2002	CN 1391590 T	15-01-2003
			EP 1244724 A1	02-10-2002
			WO 0138417 A1	31-05-2001
			US 2002099158 A1	25-07-2002
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			EP 0203438 A1	03-12-1986
			JP 61278526 A	09-12-1986
			US 4711742 A	08-12-1987
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WO 0031183	A	02-06-2000	CN 1328589 T	26-12-2001
			EP 1141128 A1	10-10-2001
			JP 2002530505 T	17-09-2002
			WO 0031183 A1	02-06-2000
			US 2003092785 A1	15-05-2003
			US 2003083392 A1	01-05-2003
			US 6630520 B1	07-10-2003